RATIO

A RATIO

- Definition Ratio
- A ratio is a comparison of two quantities. The ratio 3 to 2 can be expressed as 3:2 or $\frac{3}{2}$.

B PART-PART RATIOS

- Definition **Part-Part Ratio** A **part-part ratio** compares two distinct parts of a whole.

Part 1 : Part 2	
Whole	
Part 1	Part 2

Ex: For one bowl of fruit juice, there are 3 cherries and 2 apples.



The ratio of cherries to apples is 3:2.

C PART-WHOLE RATIOS



Ex: If a juice is made with 1 lemon and 2 oranges, find the ratio of oranges to the total number of fruits.



Answer:

- The total number of fruits is 1 + 2 = 3.
- The ratio of oranges to the total number of fruits is 2:3 or $\frac{2}{3}$.

D EQUIVALENT RATIOS

Method Simplifying Ratios

The ratio of red apples to all apples is $\frac{2}{4}$, which can be simplified to $\frac{1}{2}$ (half of the apples are red).



E PART IN WHOLE-PART RELATIONSHIPS



